IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with strikethrough. When strikethrough cannot easily be perceived, or when five or fewer characters are deleted, [[double brackets]] are used to show the deletion. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-10 and ADD new claims 11-13 in accordance with the following:

1. (CURRENTLY AMENED) A graphic display apparatus for a robot system comprising:
   means for displaying and arranging a 3-D model of a robot on a display screen to cause the displayed model to move in animation on the screen;
   means for storing the 3-D model of the robot and one or more of 3-D models of a peripheral equipment, a machine, or a part, which is used in a system using the robot; and
   means for selecting one or more of the 3-D models stored in said storing means on the display screen; screen, wherein
   the 3-D model of the robot, or the 3-D model of the robot and the 3-D model of a peripheral equipment, a machine, or a part, which was selected by said selecting means, are displayed and arranged on the display screen, so that with at least a part of the system using the robot is being approximated.

2. (CURRENTLY AMENED) A graphic display apparatus for a robot system comprising:
   means for displaying and arranging a 3-D model of a robot on a display screen to cause the displayed model to move in animation on the screen;
   means for storing the 3-D model of the robot and one or more of 3-D models of a peripheral equipment, a machine, or a part, which is used in a system using the robot; and
   means for selecting one or more of the 3-D models stored in said storing means on the display screen; and
   means for adjusting a dimensions of the 3-D model, selected by said selecting means, on the screen; screen, wherein

the 3-D model of the robot of which dimensions was were adjusted by said adjusting means, or the 3-D model of the robot and the 3-D model of a peripheral equipment, a machine, or a part, which was selected by said selecting means, of which dimensions were adjusted by said adjusting means, are displayed and arranged on the display screen, so that with at least a part of the system using the robot is being approximated.

3. (CURRENTLY AMENED) A graphic display apparatus for a robot system comprising:

means for displaying and arranging a 3-D model of a robot on a display screen to cause the displayed model to move in animation on the screen;

a first storing means for storing the 3-D model of the robot;

a second storing means for storing one or more 3-D models of a peripheral equipment, a machine, or a part, which is used in a system using the robot;

means for selecting one or more of the 3-D models stored in said second storing means on the display screen; and

means for adjusting a dimension of the 3-D model selected by said selecting means, on the screen; screen, wherein

the 3-D model of the robot, and a the 3-D model of the peripheral equipment, the machine, or the part, which was selected by said selecting means, of which dimension dimensions were adjusted by said adjusting means, are displayed and arranged on the display screen so that with at least a part of the system using the robot is being approximated.

4. (CURRENTLY AMENED) The graphic display apparatus for a robot system according to claim 1, further comprising means for displaying, on the screen, the robot motion corresponding to at least a part of a robot program, in animation.

5. (CURRENTLY AMENED) The graphic display apparatus for a robot system according to claim 1, wherein 3-D models of said peripheral equipment, said machine, or said part are classified by kinds, a plurality of different types are displayed on the screen for each of the classified kinds, and a 3-D model is selected from among the displayed types.

6. (CURRENTLY AMENED) The graphic display apparatus for a robot system according to claim 2, further comprising means for adding a 3-D model of the peripheral equipment, the machine, or the part of the robot in said storing means.

7. (CURRENTLY AMENED) The graphic display apparatus for a robot system according to claim 2, further comprising means for sending information to and receiving information from a robot controller; controller, wherein the shape of the 3-D model of the peripheral equipment, the machine, or the part, is adjusted based on position data which forms a physical feature of the actual peripheral equipment, the machine, or the part, sent from the robot controller through said information sending and receiving means, means.

8. (CURRENTLY AMENED) The graphic display apparatus for a robot system according to claim 2, wherein a plan view of layout of an operation system using a the robot is displayed on the display screen and the 3-D model of the peripheral equipment, the machine, or the part is arranged on the display screen in correspondence with the layout, thereby allowing to carry out modeling of a production system using the robot.

9. (CURRENTLY AMENED) The graphic display apparatus for a robot system according to claim 3, wherein when the dimension of the 3-D model selected by said selecting means is adjusted by said adjusting means, coordination among the numerical values of a plurality of position data which constitute the 3-D model concerned selected is considered.

10. (CURRENTLY AMENED) The graphic display apparatus for a robot system according to claim 3, further comprising a storing means for storing constraint condition conditions which stipulates stipulate the coordination among numerical values of a plurality of position data which constitute each 3-D model stored in the second storing means, wherein when the dimension of the 3-D model selected by said selecting means is adjusted by said adjusting means, coordination among the numerical values of a plurality of position data which constitute the 3-D model is considered using the constraint condition conditions stored in said constraint condition storing means.

11. (NEW) A graphic display apparatus for a robot system, comprising:
a displaying and arranging unit to display and arrange a 3-D model of a robot on a display screen to cause the displayed model to move in animation on the screen;
a storing unit to store the 3-D model of the robot and one or more 3-D models of a peripheral equipment, a machine, or a part, which is used in a system using the robot; and

a selecting unit to select one or more of the 3-D models stored in the storing unit on the display screen,

wherein the 3-D model of the robot, or the 3-D model of the robot and the 3-D model of a peripheral equipment, a machine, or a part, which was selected by the selecting unit, are displayed and arranged on the display screen, with at least a part of the system using the robot being approximated.

12. (NEW) A graphic display apparatus for a robot system, comprising:

a displaying and arranging unit to display and arrange a 3-D model of a robot on a display screen to cause the displayed model to move in animation on the screen;

a storing unit to store the 3-D model of the robot and one or more 3-D models of a peripheral equipment, a machine, or a part, which is used in a system using the robot;

a selecting unit to select one or more of the 3-D models stored in the storing unit on the display screen; and

an adjusting unit to adjust dimensions of the 3-D model, selected by the selecting unit, on the screen,

wherein the 3-D model of the robot of which dimensions were adjusted by the adjusting unit, or the 3-D model of the robot and the 3-D model of a peripheral equipment, a machine, or a part, which was selected by the selecting unit, of which dimensions were adjusted by the adjusting unit, are displayed and arranged on the display screen, with at least a part of the system using the robot being approximated.

13. (NEW) A graphic display apparatus for a robot system, comprising:

a displaying and arranging unit to display and arrange a 3-D model of a robot on a display screen to cause the displayed model to move in animation on the screen;

a first storing unit to store the 3-D model of the robot;

a second storing unit to store one or more 3-D models of a peripheral equipment, a machine, or a part, which is used in a system using the robot;

a selecting unit to select one or more of the 3-D models stored in the second storing unit on the display screen; and

an adjusting unit to adjust a dimension of the 3-D model selected by the selecting unit, on the screen,

wherein the 3-D model of the robot, and the 3-D model of the peripheral equipment, the machine, or the part, which was selected by the selecting unit, of which dimensions were adjusted by the adjusting unit, are displayed and arranged on the display screen with at least a part of the system using the robot being approximated.